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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=6; day=24; hr=14; min=36; sec=37; ms=927; ]

=====

Application No: 10592919 Version No: 1.0

**Input Set:****Output Set:**

**Started:** 2008-06-02 10:38:42.694  
**Finished:** 2008-06-02 10:38:44.262  
**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 568 ms  
**Total Warnings:** 46  
**Total Errors:** 2  
**No. of SeqIDs Defined:** 48  
**Actual SeqID Count:** 48

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
E 249	Order Sequence Error <210> -> <220>; Expected Mandatory Tag: <211> in SEQID ( 9 )
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
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W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

**Input Set:**

**Output Set:**

**Started:** 2008-06-02 10:38:42.694  
**Finished:** 2008-06-02 10:38:44.262  
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**Total Warnings:** 46  
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**Actual SeqID Count:** 48

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (21)
W 213	Artificial or Unknown found in <213> in SEQ ID (22) This error has occurred more than 20 times, will not be displayed
E 250	Structural Validation Error; Sequence listing may not be indexable

SEQUENCE LISTING

<110> Michael, T. Migawa  
Walter F. Lima  
Eric E. Swayze  
Joshua Nichols  
Hongjiang Wu  
Thazha P. Prakash  
Tadeusz Krzysztof Wyrzykiewicz  
Balkrishen Bhat  
Stanley T. Crooke

<120> COMPOSITIONS AND METHODS FOR OPTIMIZING  
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<130> CORE0037USA

<150> PCT/US2005/008428

<151> 2005-03-15

<150> 60/609,516

<151> 2004-09-13

<150> 60/567,016

<151> 2004-04-29

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2'-S-methylthymidine or 4'-methylthymidine or  
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2'-S-methylthymidine or 4'-methylthymidine or  
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2'-S-methylthymidine or 4'-methylthymidine or  
3'-methylthymidine or abasic nucleotide or 2,4-F-tolyl

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